

### Amendments to the Claims

Please amend the claims as indicated below. All claims are listed below, with amended claims so marked. This listing of claims will replace all prior versions, and listings, of claims in the application:

1           1.       (Currently Amended)       A method for sharing processing capabilities of  
2   utilizing multiple network interfaces among said network interfaces, comprising:  
3           receiving a first network data to be transmitted by a first network interface  
4   according to a protocol;  
5           determining ~~whether~~ the first network interface lacks ~~includes~~ hardware  
6   supporting the protocol;  
7           ~~if the protocol is not supported, then~~ providing said first network data to a second  
8   network interface different from the first network interface, the second network interface  
9   including hardware supporting the protocol;  
10          ~~for~~ transparently processing of said first network data by the second network  
11 interface into a second network data according to the protocol; and  
12          transmitting said second network data with said first network interface.

13          2.       (Original)       The method of claim 1, wherein the first network interface  
14   does not support the protocol, the method further comprising:  
15          presenting said first and second network interfaces to a protocol stack as being a  
16   homogeneous team of network interfaces.

1           3.     (Original)     The method of claim 1, wherein the protocol includes  
2     encrypting the first network data before submitting said first network data to a network.

3           4.     (Previously Presented)     The method of claim 1, further comprising:  
4             communicatively coupling a hardware-based encryption processor with said  
5     second network interface, said encryption processor performing said processing of said  
6     first network data.

7           5.     (Previously Presented)     The method of claim 4, wherein the hardware-  
8     based encryption processor supports a primary mode for encrypting network data for  
9     said second network interface, and a secondary mode for encrypting network data for  
10    said first network interface.

11          6.     (Original)     The method of claim 5, wherein the said first and second  
12    network interfaces operate in an adaptive load balancing mode, and wherein said  
13    second network interface interleaves said primary mode encryption with said secondary  
14    mode encryption.

15          7.     (Previously Presented)     The method of claim 6, further comprising:  
16             providing a third network interface supporting the protocol;  
17             wherein processing said first network data into said second network data is  
18    balanced across said second and third network interfaces.

19          8.     (Original)     The method of claim 7, wherein said balancing is performed  
20    according to a workload of said second and third network interfaces.

1           9.     (Original)     The method of claim 5, wherein the said first and second  
2 network interfaces operate in an adapter fault tolerance mode, and wherein said first  
3 network interface is a primary network interface, and said second network interface is a  
4 backup network interface.

5           10.    (Previously Presented)     The method of claim 1, wherein the said first  
6 and second network interfaces operate in an adaptive load balancing mode, and  
7 wherein said second network interface interleaves processing network data for said  
8 second network interface with processing said first network data into said second  
9 network data.

10          11.    (Original)     The method of claim 1, wherein the said first and second  
11 network interfaces operate in an adapter fault tolerance mode, and wherein said first  
12 network interface is a primary network interface, and said second network interface is a  
13 backup network interface.

14          12.    (Currently Amended)     A readable medium having encoded thereon  
15 instructions for sharing processing capabilities of multiple network interfaces among  
16 said network interfaces, the instructions capable of directing a processor to:  
17           receive a first network data to be transmitted by a first network interface  
18           according to a protocol;  
19           determine ~~whether~~ the first network interface lacks ~~includes~~ hardware supporting  
20           the protocol;

1        ~~if the protocol is not supported, then~~ provide said first network data to a second  
2        network interface different from the first network interface, the second network interface  
3        including hardware supporting the protocol;  
4        transparently process ~~for processing of~~ said first network data by the second  
5        network interface into a second network data according to the protocol; and  
6        transmit said second network data with said first second network interface.

7        13.     (Original)     The medium of claim 12, wherein the protocol includes  
8        encrypting the first network data before submitting said first network data to a network.

9        14.     (Previously Presented)     The medium of claim 12, said instructions  
10       including further instructions to direct said processor to:  
11       process said first network data into said second network data with a hardware-  
12       based encryption processor communicatively coupled with said second network  
13       interface.

14       15.     (Previously Presented)     The medium of claim 14, wherein the  
15       hardware-based encryption processor supports a primary mode and a secondary mode,  
16       said instructions including further instructions to direct said processor to:  
17       encrypt network data for said second network interface when said encryption  
18       processor is in said primary mode; and  
19       encrypt network data for said first network interface when said encryption  
20       processor is in said secondary mode.

1           16.   (Previously Presented)   The medium of claim 15, wherein said first and  
2   second network interfaces operate in an adaptive load balancing mode, and wherein  
3   said second network interface interleaves said primary mode encryption with said  
4   secondary mode encryption.

5           17.   (Previously Presented)   The medium of claim 16, in which a third  
6   network interface supports the protocol, said instructions including further instructions to  
7   direct said processor to:

8               balance processing said first network data into said second network data across  
9   said second and third network interfaces.

10          18.   (Previously Presented)   The medium of claim 17, wherein said  
11   balancing is performed according to a workload of said second and third network  
12   interfaces.

13          19.   (Previously Presented)   The medium of claim 15, wherein said first and  
14   second network interfaces operate in an adapter fault tolerance mode.

15          20.   (Currently Amended)       In a computing device, a network interface  
16   team, comprising:

17               a first network interface lacking hardware support for a protocol; and

18               a second network interface different from the first network interface, the second  
19   network interface including hardware supporting the protocol, said second network  
20   interface configured to transparently process network data for the first network interface

1 if said network data is to be transmitted according to the protocol and to return  
2 processed data to the first network interface.

3 21. (Previously Presented) The network interface team of claim 20, further  
4 comprising:

5 a first receiver, communicatively coupled to said first network interface, for  
6 receiving network data to be transmitted by said first network interface;

7 a second receiver, communicatively coupled to said second network interface, for  
8 receiving network data to be transmitted by said second network interface; and

9 a transferor, communicatively coupled with said first network interface and said  
10 second receiver, and configured to transfer network data to said second network  
11 interface for processing according to the protocol.

12 22. (Currently Amended) A method for sharing processing capabilities of  
13 members of a system of network interfaces communicatively coupled with and operable  
14 to communicate over a network among the system members, comprising:

15 determining a first network interface is to transmit first data having a data  
16 configuration;

17 determining the first data is configured in accordance with a protocol  
18 unsupported by the first network interface;

19 locating a second network interface of the system including hardware that  
20 supports the data configuration;

21 transparently secondarily processing by the hardware of the second network  
22 interface of the first data in accordance with the protocol into a second data; and

1 providing the second data to the first network interface so that the second data  
2 appears to have been processed by the first network interface.

3 23. (Original) The method of claim 22, further comprising:  
4 selecting the first network interface to transmit the first data based at least in part  
5 on a load-balancing of network traffic across the plural network interfaces;  
6 performing by a driver for the first network interface of said determining the first  
7 data is configured according to the protocol unsupported by the first network interface;  
8 receiving by the driver of the second data, wherein the data is now in a format  
9 supported by the network interface; and  
10 providing by the driver of the second data to the first network interface.

11 24. (Currently Amended) A method for distributing network processing across  
12 a team of network interfaces cards including at least a first network interface card (NIC)  
13 lacking support for a first specialized capability and a second NIC that supports the first  
14 specialized capability, the method comprising:  
15 receiving first data to be processed and transmitted by the first NIC to a recipient;  
16 determining processing said received first data requires the first specialized  
17 capability unsupported by the first NIC;  
18 transparently secondarily processing by the second NIC of the first data into  
19 second data with the supported first specialized capability; and  
20 providing the second data to the first NIC for transmission by the first NIC to the  
21 recipient.

1           25.    (Original) The method of claim 24, wherein the second NIC comprises an  
2   application specific integrated circuit providing the first specialized capability.

3           26.    (Original) The method of claim 24, wherein the team of network interfaces  
4   include a third network that supports a second specialized capability, the method  
5   comprising:  
6           aggregating specialized capabilities offered by interfaces of the team; and  
7           providing a virtual NIC appearing to provide each of the specialized processing  
8   capabilities.